

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number  
**WO 2005/049244 A2**

- (51) International Patent Classification<sup>7</sup>: **B21D**
- (21) International Application Number:  
PCT/US2004/038759
- (22) International Filing Date:  
18 November 2004 (18.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/523,027 18 November 2003 (18.11.2003) US
- (71) Applicant (for all designated States except US): **CONTROL GAGING, INC.** [US/US]; 5200 Venture Drive, Ann Arbor, MI 48018 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **LISKOW, Karl, J.** [US/US]; 5747 Munger Road, Ypsilanti, MI 48197 (US).
- (74) Agents: **SOSENKO, Eric, J. et al.**; Brinks, Hofer, Gilson & Lione, P.O. Box 10087, Chicago, IL 60610 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

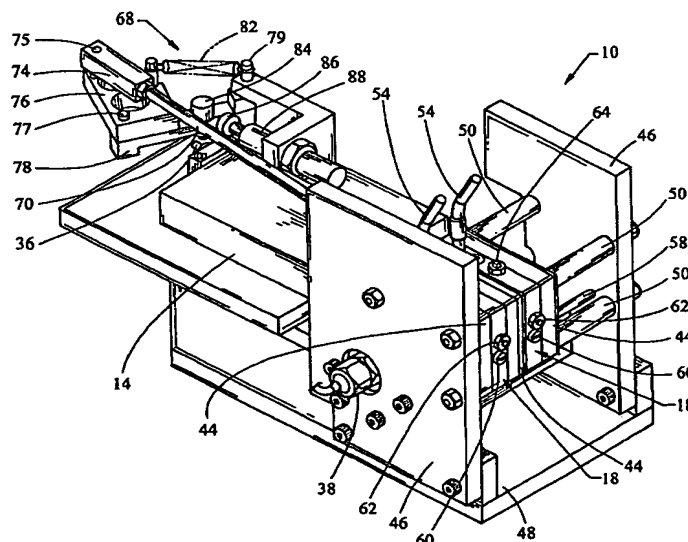
— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: PASS-THROUGH GAGE AND METHOD OF GAGING A WORKPIECE



(57) Abstract: A gage assembly for measuring a generally cylindrical workpiece. The gage assembly includes a support member and a gage block subassembly located opposite of the support member. The subassembly includes a moveable contact located in spaced relation from the support member so as to define a gaging space therebetween. A measuring device is coupled to the contact and a part handling member, coupled to an actuator, moves the workpiece from a first side of the gaging space to a position where the workpiece is in the gaging space and subsequently to a position where the workpiece is on an opposing side of the gaging space, passing the workpiece between said support member and said gage block subassembly. In its method of operation, the workpiece is dynamically gaged by the gage assembly.

WO 2005/049244 A2



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*